



Arizona Department of Water Resources
Information Management Unit
PO Box 36020 • Phoenix, Arizona 85067-36020
(602) 771-8527 • 602-771-8500

Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN **30 DAYS** OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER

D(4-9) 28 CCC

WELL REGISTRATION NUMBER

55 - 226469

PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm

Mail To:

NAME	DWR LICENSE NUMBER
NATIONAL EWP, INC.	823
ADDRESS	TELEPHONE NUMBER
1200 W. SAN PEDRO ST.	480-558-3500
CITY / STATE / ZIP	FAX
GILBERT, AZ, 85233	

FEB 14 2017

ADWR

SECTION 1. REGISTRY INFORMATION

Well Owner

Location of Well

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL
FLORENCE COPPER, INC.

WELL LOCATION ADDRESS (IF ANY)
Same as well owner

MAILING ADDRESS
1575 W. HUNT HWY

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SW 1/4	SW 1/4	SW 1/4

CITY / STATE / ZIP
FLORENCE, AZ, 85132

LATITUDE			LONGITUDE		
111	26	14.6 ^N	33	2	50.2 ^W

CONTACT PERSON NAME AND TITLE
Ian Ream Senior Hydrologist

METHOD OF LATITUDE/LONGITUDE (CHECK ONE)
☒ *GPS: Hand-Held
☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

TELEPHONE NUMBER
520 374-3984

FAX

LAND SURFACE ELEVATION AT WELL
1367.3'
Feet Above Sea Level

WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)
M16-GU (R)

METHOD OF ELEVATION (CHECK ONE)
☒ *GPS: Hand-Held
☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)

☐ NAD-83 ☒ Other (please specify) NAD 27

COUNTY

Pinal

ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)

BOOK	MAP	PARCEL
200	31	020

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method

Method of Well Development

Method of Sealing at Reduction Points

CHECK ONE

☐ Air Rotary
☐ Bored or Augered
☐ Cable Tool
☐ Dual Rotary
☒ Mud Rotary
☐ Reverse Circulation
☐ Driven
☐ Jetted
☐ Air Percussion / Odex Tubing
☐ Other (please specify)

CHECK ONE

☒ Airlift
☐ Bail
☐ Surge Block
☐ Surge Pump
☐ Other (please specify)

CHECK ONE

☒ None
☐ Packed
☐ Swedged
☐ Welded
☐ Other (please specify)

Condition of Well

Construction Dates

CHECK ONE

☒ Capped
☐ Pump Installed

DATE WELL CONSTRUCTION STARTED

12.13.2016

DATE WELL CONSTRUCTION COMPLETED

01.16.2017

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY

DATE

2-9-17

WELL REGISTRATION NUMBER
55 - 226469

Depth

DEPTH OF BORING	690	Feet Below Land Surface	DEPTH OF COMPLETED WELL	680	Feet Below Land Surface
-----------------	-----	-------------------------	-------------------------	-----	-------------------------

STATIC WATER LEVEL 218'	DATE MEASURED 1.15.17	TIME MEASURED 14:20	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
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[illegible][illegible]

Well Driller Report and Well Log

WELL REGISTRATION NUMBER

55 - 226469

SECTION 5. GEOLOGIC LOG OF WELL

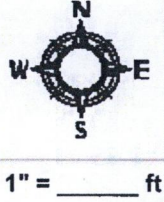
[illegible]

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 226469

SECTION 6. WELL SITE PLAN			
NAME OF WELL OWNER		COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)	
FLORENCE COPPER, INC.		BOOK 200	MAP 31 PARCEL 020

- ❖ Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- ❖ Please indicate the distance between the well location and any septic tank system or sewer system.



ARIZONA DEPARTMENT OF WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, Arizona 85007

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: **55-226469**

AUTHORIZED DRILLER: **NATIONAL EWP, INC.**

LICENSE NO: **823**

NOTICE OF INTENTION TO DRILL ENV - MONITOR WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **FLORENCE COPPER, INC. 1575 W. HUNT HWY FLORENCE, AZ, 85132**

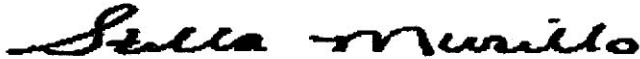
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the SW 1/4 of the SW 1/4 Section 28 Township 4.0 SOUTH Range 9.0 EAST

NO. OF WELLS IN THIS PROJECT: **1**

ASSESSOR'S PARCEL NO: **200-31-020**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF **October 5, 2017**



GROUNDWATER PERMITTING AND WELLS

THE DRILLER MUST FILE A LOG OF THE WELL WITHIN 30 DAYS OF COMPLETION OF DRILLING.



ARIZONA DEPARTMENT of WATER RESOURCES

1110 W. Washington St. Suite 310
Phoenix, AZ 85007
602-771-8500
azwater.gov

October 11, 2016

FLORENCE COPPER, INC.
1575 W. HUNT HWY
FLORENCE, AZ 85132



DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Registration No. 55- 226469
File Number: D(4-9) 28 CCC

Dear Well Applicant:

Enclosed is a copy of the Notice of Intention to Drill (NOI) a well which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed, or made available for download, a drilling authorization card to your designated well drilling contractor. The driller may not begin drilling until he/she has received the authorization, and must keep it in their possession at the well site during drilling. Although the issuance of this drill card authorizes you to drill the proposed well under state law, the drilling of the well may be subject to restrictions or regulations imposed by other entities.

Well drilling activities must be completed within one year after the date the NOI was filed with the Department. If drilling is not completed within one year, a new NOI must be filed and authorization from this Department received before proceeding with drilling. If the well cannot be successfully completed as initially intended (dry hole, cave in, lost tools, etc.), the well must be properly abandoned and a Well Abandonment Completion Report must be filed by your driller [as required by A.A.C. R12-15-816(F)].

If you change drillers, you must notify the Department of the new driller's identity on a Request to Change Well Information (form 55-71A). Please ensure that the new driller is licensed by the Department to drill the type of well you require. A new driller may not begin drilling until he/she receives a new drilling authorization card from the Department.

If you find it necessary to change the location of the proposed well(s), you may not proceed with drilling until you file an amended NOI with the Department. An amended drilling authorization card will then be issued to the well drilling contractor, which must be in their possession before drilling begins.

Arizona statute [A.R.S. § 45-600] requires registered well owners to file a Pump Installation Completion Report (form 55-56) with the Department within 30 days after the installation of pumping equipment, if authorized. A blank report is enclosed for your convenience. State statute also requires the driller to file a complete and accurate Well Drillers Report and Well Log (form 55-55) within 30 days after completion of drilling. A blank report form was provided to your driller with the drilling authorization card. You should insist and ensure that all of the required reports are accurately completed and timely filed with the Department.

Please be advised that Arizona statute [A.R.S. § 45-593(C)] requires a registered well owner to notify the Department of a change in ownership of the well and/or information pertaining to the physical characteristics of the well in order to keep this well registration file current and accurate. Any change in well information or a request to change well driller must be filed on a Request to Change Well Information form (form 55-71A) that may be downloaded from the ADWR Internet website at www.azwater.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Crego".

Groundwater Permitting and Wells Section



Arizona Department of Water Resources
 Water Management Division
 P.O. Box 36020 Phoenix, Arizona 85067-6020
 (602) 771-8500 • (602) 771-8690
www.azwater.gov

**Notice of Intent to
 Drill, Deepen, or Modify a
 Monitor / Piezometer / Environmental Well**

**\$150
 FEE**

- ❖ Review instructions prior to completing form in black or blue ink.
- ❖ You must include with your Notice:
 - \$150 check or money order for the filing fee.
 - Well construction diagram, labeling all specifications listed in Section 6.
- ❖ Authority for fee: A.R.S. § 45-596 and A.A.C. R12-15-104.

**** PLEASE PRINT CLEARLY ****

AMA / INA PINAL	B PIN	SB 11
RECEIVED 10-4-2016	DATE 10-4-2016	WS D8
ISSUED 10-11-2016	DATE 10-11-2016	WQAR —
		CERCLA —

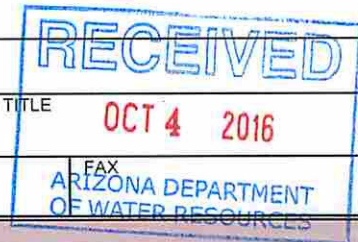
FILE NUMBER D(4-9)28 CCC
WELL REGISTRATION NUMBER 55 - 226469

SECTION 1. REGISTRY INFORMATION

Well Type	Proposed Action	Location of Well
CHECK ONE <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Piezometer <input type="checkbox"/> Vadose Zone <input type="checkbox"/> Air Sparging <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Other (please specify):	CHECK ONE <input type="checkbox"/> Drill New Well <input type="checkbox"/> Deepen <input type="checkbox"/> Modify <input checked="" type="checkbox"/> Replace If Deepening or Modifying: WELL REGISTRATION NUMBER 55 - 549159 (Replacing)	WELL LOCATION ADDRESS (IF ANY) 1575 W Hunt Hwy TOWNSHIP (N/S) RANGE (E/W) SECTION 160 ACRE 40 ACRE 10 ACRE 4S 9E 28 SW ¼ SW ¼ SW ¼ COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 200 MAP 31 PARCEL 020 COUNTY WHERE WELL IS LOCATED Pinal

SECTION 2. OWNER INFORMATION

Well Owner	Landowner (if different from Well Owner)
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Florence Copper Inc.	FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL Same as Well Owner
MAILING ADDRESS 1575 W Hunt Hwy	MAILING ADDRESS
CITY / STATE / ZIP CODE Florence, AZ 85132	CITY / STATE / ZIP CODE
CONTACT PERSON NAME AND TITLE Ian Ream / Senior Hydrogeologist	CONTACT PERSON NAME AND TITLE
TELEPHONE NUMBER 520-374-3984	TELEPHONE NUMBER
FAX 520-374-3999	FAX



SECTION 3. DRILLING AUTHORIZATION

Drilling Firm	Consultant (if applicable)
NAME National EWP	CONSULTING FIRM
DWR LICENSE NUMBER 823	CONTACT PERSON NAME
ROC LICENSE CATEGORY 269329 A-4	TELEPHONE NUMBER
TELEPHONE NUMBER 480-558-3500	FAX
FAX 480-558-3525	E-MAIL ADDRESS
E-MAIL ADDRESS jstephens@nationalewp.com	

SECTION 4.

Questions	Yes	No	Explanation:
1. Are all annular spaces between the casing(s) and the borehole for the placement of grout at least 2 inches?	X		2-inch annular spaces are special standards required for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).
2. Is the screened or perforated interval of casing greater than 100 feet in length?		X	100-foot maximum screen intervals are a special standard for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).
3. Are you requesting a variance to use thermoplastic casing in lieu of steel casing in the surface seal?		X	The wells must be constructed in a vault as defined in A.A.C. R12-15-801(27).
4. Is there another well name or identification number associated with this well? (e.g., MWV-1, PZ2, 06-04, etc.)	X		IF YES, PLEASE STATE M16-GU (R)
5. Have construction plans been coordinated with the Arizona Department of Environmental Quality?	X		IF YES, PLEASE STATE AGENCY CONTACT & PHONE NUMBER Richard Mendolia (602) 771-4374
6. For monitor wells, is dedicated pump equipment to be installed?	X		IF YES, PLEASE STATE DESIGN PUMP CAPACITY 20 Gallons per Minute
7. Is this well a new well located in an Active Management Area AND intended to pump water for the purpose of remediating groundwater?		X	IF YES, UNLESS THE WELL IS A REPLACEMENT WELL AND THE TOTAL NUMBER OF OPERABLE WELLS ON THE SITE IS NOT INCREASING, YOU MUST ALSO FILE A SUPPLEMENTAL FORM A.R.S. § 45-454(C) & (F). (See instructions)
8. Will the well registration number be stamped on the vault cover or on the upper part of the casing?	X		IF NO, WHERE WILL THE REGISTRATION NUMBER BE PLACED?

HC

Notice of Intent to Drill, Deepen, or Modify a Monitor / Piezometer / Environmental Well

WELL REGISTRATION NUMBER

55 - 226469

SECTION 5. WELL CONSTRUCTION DETAILS

Drill Method	Method of Well Development	Grout Emplacement Method
CHECK ONE <input type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input checked="" type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify):	CHECK ONE <input checked="" type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify):	CHECK ONE <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grout <input checked="" type="checkbox"/> Tremie <input type="checkbox"/> Other (please specify):
	Method of Sealing at Reduction Points	Surface or Conductor Casing
	CHECK ONE <input checked="" type="checkbox"/> None <input type="checkbox"/> Welded <input type="checkbox"/> Swedged <input type="checkbox"/> Packed <input type="checkbox"/> Other (please specify):	CHECK ONE <input type="checkbox"/> Flush Mount in a vault <input checked="" type="checkbox"/> Extend 1' above grade
DATE CONSTRUCTION TO BEGIN April/2015		

SECTION 6. PROPOSED WELL CONSTRUCTION PLAN (attach additional page if needed)

Attach a well construction diagram labeling all specifications below.

Borehole			Casing													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	
0	20	13 3/4	-1	20	9 5/8	x				x						
20	690	9 7/8	-3	600	5 9/16		x			x						
			600 660	660 680	5 9/16		x			x				x		0.08" 600 to 660

Annular Material

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	20			X								
20	580				X							
580	690									X		#6x9

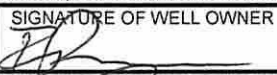

IF THIS WELL HAS NESTED CASINGS, SPECIFY NUMBER OF CASING STRINGS None EXPECTED DEPTH TO WATER 212 feet bgs Feet Below Ground Surface

SECTION 7. OPTIONAL BY PROPERTY OWNER AND WELL OWNER ONLY

☐ By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. (See instructions.)

SECTION 8. WELL OWNER AND PROPERTY OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE Ian Ream Senior Hydrogeologist	SIGNATURE OF WELL OWNER 	DATE 9-26-2016
TYPE OR PRINT NAME AND TITLE Ian Ream Senior Hydrogeologist	SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS) 	DATE 9-26-2016

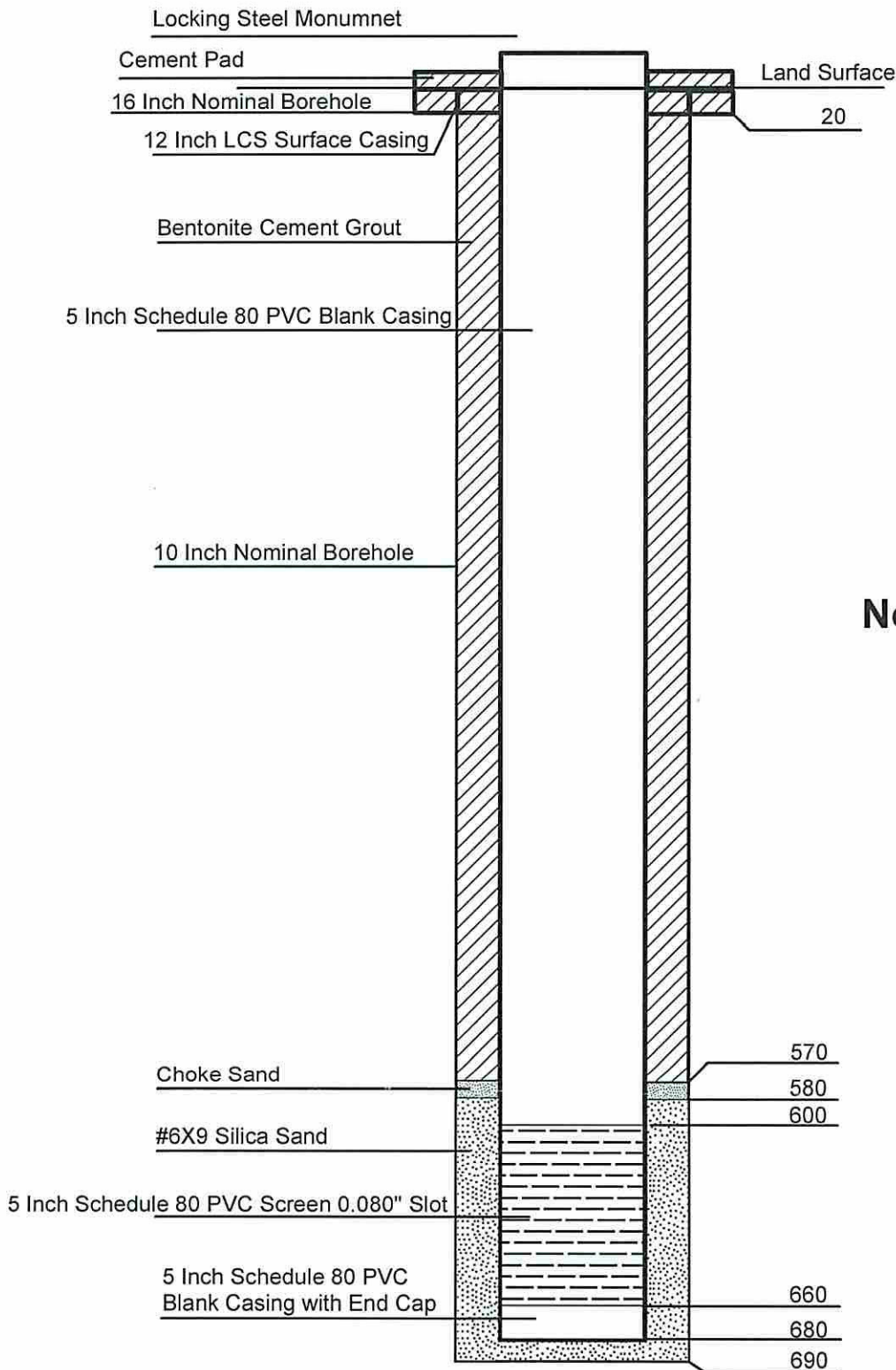


Figure 4 - Replacement Well Proposed Design



CLIENT: Florence Copper

JOB: M16-GU SCALE: NOT TO SCALE

DATE: March 2015

PROJECT: APP

DRAWN: IR CHECKED: DJ

FIGURE: 4

M16-GU Location



Memo

To: Kevin Crego - ADWR Groundwater Permitting and Wells

CC:

From: Ian Ream

Date: 7/7/2016

Re: Replacement wells

Mr. Crego,

We spoke on the phone regarding these applications. These two wells were approved over a year ago and we did not drill them within the one year timeframe. The file numbers assigned in April 2015 were 55-224653 and 55-224654.

We will permit the abandonment of the existing wells separately. We would like to collect samples from the existing and replacement wells for at least one quarter before abandoning the existing wells.

Let me know if you have any questions.

I can be reached at 520-840-9604 or at ianream@florencecopper.com

Thank you,

Ian Ream
Senior Hydrogeologist
Florence Copper





FLORENCE COPPER INC.

1575 W. Hunt Highway, Florence, Arizona 85132 USA

florencecopper.com

RECEIVED

OCT 4 2016

ARIZONA DEPARTMENT
OF WATER RESOURCES

CONTACT INFORMATION:

Vendor number (if known):

Name of company or person to receive payment:

Contact person:

Title or position:

Phone number:

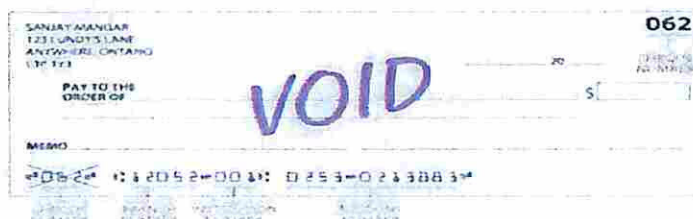
CONFIRMATION OF DEPOSITS:

Your statement of account from your bank will show payments from FLORENCE COPPER INC. Please provide us your e-mail address, and we will send you e-mail confirmation whenever we deposit a payment to your account.

Email address for confirmation of deposit:

BANK ACCOUNT INFORMATION FOR DEPOSITS:

Please attach a blank cheque with your bank information on it. Write void across the front.



OR

Please complete the following account information:

Name of bank or other financial institution:

Address of branch where account is held:

Financial institution's routing number:

Checking Account number:

Savings Account number:

AUTHORIZE ELECTRONIC FUNDS PAYMENTS:

I authorize FLORENCE COPPER INC. to deposit, by electronic fund transfer, payments owed to me into the banking account designated above. I recognize that if I give incomplete or inaccurate information on this form, payments may be made to the wrong account.

Authorized signature:

Printed name:

Title:

Date:

Email, fax or mail completed form and voided cheque to:

Attention: Accounts Payable

Fax number: 778-373-4534

Email address: accountspayable@tasekomines.com

Mailing address: 1500-1040 West Georgia Street, Vancouver, BC V6E 4H8

Questions? Call (778) 373-4533 or e-mail accountspayable@tasekomines.com

FLUORINE CUPPER INV.

ARIZONA
WATER
VENDOR NO.

ARIZONA DEPARTMENT OF WATER RESOURCES
NAME:

Fax No.

CHEQUE DATE: 9/21/2016
09S10763

REFERENCE NUMBER	INVOICE DATE	GROSS AMOUNT	DISCOUNT TAKEN	NET AMOUNT PAID
091616 M16-GU 091616 M20-Q	9/16/2016 9/16/2016	150.00 150.00	0.00 0.00	150.00 150.00
Cheque No. 000010763		TOTAL →	300.00	0.00
				300.00

Arizona Department of Water Resources

1110 West Washington Street, Suite 310

Phoenix AZ 85007

Customer:

FLORENCE COPPER INC.
1575 W HUNT HWY
FLORENCE, AZ 85132

Receipt #: 17-47660
Office: MAIN OFFICE
Receipt Date: 10/04/2016
Sale Type: IN_PERSON
Cashier: WRPXA

Item No.	Function Code	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67488	12221	4439-TT	Notice of intention to drill a well other than a well described in subsection (A)(1)(h) of this Section	226469	1	150.00	150.00
RECEIPT TOTAL:							150.00

Payment type: CHECK

Amount Paid: \$150.00

Payment Received Date: 10/04/2016

Check # 10763

Notes: FROM TTA.